

ABSTRACT

A signal applied to a data line is binarized to provide a high-quality gray scale presentation.

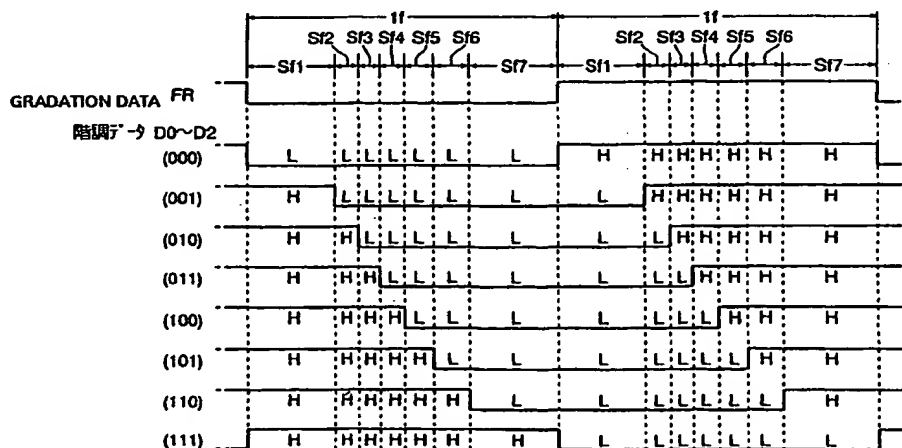
5 To provide eight gray scales, for example, one field (1f) is divided into seven subfields (Sf1-Sf7) in accordance with gray scale characteristics of an electro-optical device, pixels are turned on or off by writing a high-level or a low-level signal thereon in a first subfield (Sf1). In subsequent subfields (Sf2-Sf7), high-level or low-level signals are written depending on the gray scale level of each pixel to control the ratio of the on period of the pixels to the off period of the pixels in one field.

09743768-030701
10/05/01 09:26:46

(51) 国際特許分類 G09G 3/20	A1	(11) 国際公開番号 WO00/70594
		(43) 国際公開日 2000年11月23日(23.11.00)
(21) 国際出願番号 PCT/JP00/03116	(81) 指定国 CN, JP, KR, US	
(22) 国際出願日 2000年5月15日(15.05.00)	添付公開書類 国際調査報告書	
(30) 優先権データ 特願平11/134321 1999年5月14日(14.05.99) JP		
<p>(71) 出願人 (米国を除くすべての指定国について) セイコーエプソン株式会社 (SEIKO EPSON CORPORATION)[JP/JP] 〒163-0811 東京都新宿区西新宿2丁目4番1号 Tokyo, (JP)</p> <p>(72) 発明者 ; および (75) 発明者 / 出願人 (米国についてのみ) 石井 良 (ISHII, Ryo)[JP/JP] 伊藤昭彦 (ITO, Akihiko)[JP/JP] 〒392-8502 長野県諏訪市大和3丁目3番5号 セイコーエプソン株式会社内 Nagano, (JP)</p> <p>(74) 代理人 鈴木喜三郎, 外 (SUZUKI, Kisaburo et al.) 〒392-8502 長野県諏訪市大和3丁目3番5号 セイコーエプソン株式会社 知的財産部内 Nagano, (JP)</p>		

(54) Title: METHOD FOR DRIVING ELECTROOPTICAL DEVICE, DRIVE CIRCUIT, ELECTROOPTICAL DEVICE, AND ELECTRONIC DEVICE

(54) 発明の名称 電気光学装置の駆動方法、駆動回路及び電気光学装置並びに電子機器



(57) Abstract

High-definition gradation display is implemented by binarizing the signal applied to a data line and by turning only on or off the drive of each pixel. When, for example, 8-level gradation display is implemented, one field (1f) is divided into seven sub-fields (Sf1-Sf7) according to the gradation characteristics of an electrooptical device. By maintaining the on-state of a pixel from the first sub-field to a predetermined sub-field according to the gradation, the ratio of the on or off period of the pixel in one field is controlled for high-definition gradation display.